

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2002-187727

(43)Date of publication of application : 05.07.2002

(51)Int.Cl.

C03B 11/00

(21)Application number : 2000-383427

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(22)Date of filing : 18.12.2000

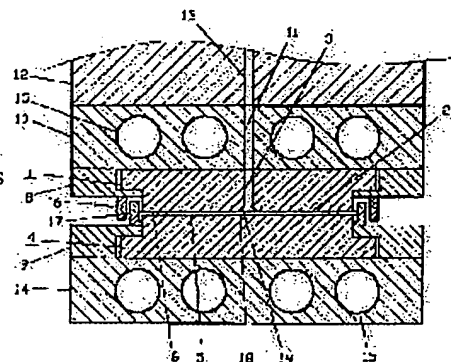
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(54) METHOD OF MANUFACTURING GLASS SUBSTRATE AND DIE FOR MOLDING GLASS SUBSTRATE

(57)Abstract:

PROBLEM TO BE SOLVED: To inexpensively manufacture a large quantity of glass substrates which can prevent tight adhesion to an upper die and improve productivity while having high flatness in a method of manufacturing the glass substrates for magnetic disks optimum for recording medium such as magnetic disks, and to provide a die for molding the glass substrates.

SOLUTION: The manufacturing method comprises arranging a glass blank 7 between the upper and lower dies 1 and 4 and press forming the glass substrate 18 by a heating process step, a pressurizing process step and a cooling process step, where a parting material for parting the glass substrate 18 is supplied from a through-hole 3 disposed at the upper die 1 in a die opening process step after press forming. In opening the dies, the parting material is supplied from the through-hole 3 disposed at the upper die 1, by which even the glass substrate 18 having the high flatness can be surely parted from the upper die 1 and the inexpensive manufacture of a large quantity of the glass substrates 18 by press forming is made possible.



LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of